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TITLE: PRODUCTION OF EDIBLE SHEET, EDIBLE SHEET AND  
EDIBLE INK

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ABSTRACT:

PURPOSE: To readily obtain an edible sheet suitable as coating, etc., on the outer peripheral part of a food by printing an edible sheet with an edible ink composed of KONJAK (devil's-tongue) flour and water and printing letters, etc., on the surface of the resultant edible sheet with an edible ink containing an edible colorant added thereto, drying the ink and peeling the formed sheet.

CONSTITUTION: The surface of a polycarbonate plate, etc., is printed with an edible ink prepared by mixing KONJAK flour with water at 1:(40-80) ratio according to a screen printing method and dried. Letters, patterns, etc., are then printed on the edible sheet with an edible ink obtained by mixing the

KONJAK flour with water at 1:(40-80) ratio and adding an edible colorant thereto according to the screen printing method. The obtained sheet is dried and subsequently peeled to afford the objective edible sheet.

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**Notes:**

1. Untranslatable words are replaced with asterisks (\*\*\*\*).
2. Texts in the figures are not translated and shown as it is.

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Dictionary: Last updated 11/18/2008 / Priority: 1. Mechanical engineering / 2. JIS (Japan Industrial Standards) term / 3. Technical term

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## CLAIM + DETAILED DESCRIPTION

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**[Claim(s)]**

[Claim 1] The edible seat which did the activity to dry once [ at least ] or more, and formed it after printing the edible ink which was mixed uniformly and formed by the mixer etc. what made konnyaku powder and one pair of water the rate of 40-80 at least in the shape of a light-gage seat with screen printing.

[Claim 2] After printing the edible ink which was mixed uniformly and formed by the mixer etc. what made konnyaku powder and one pair of water the rate of 40-80 at least in the shape of a light-gage seat with screen printing, The body of an edible seat which did the activity to dry once [ at least ] or more, and formed it, After paying the edible colorant of the specified quantity to this body of an edible seat what made konnyaku powder and one pair of water the rate of 40-80 at least and printing a character, a pattern, etc. with screen printing using the color edible ink which mixed uniformly and was formed by a mixer etc., The edible seat characterized by consisting of a dried printing character, a pattern, etc.

[Claim 3] Edible ink characterized by having mixed uniformly and forming by a mixer etc. what made konnyaku powder and one pair of water the rate of 40-80 at least.

[Claim 4] Edible ink characterized by having mixed to what made konnyaku powder and one pair of water the rate of 40-80 at least uniformly, and forming the edible colorant of the specified quantity in it by a mixer etc.

**[Detailed Description of the Invention]****"Field of the Invention"**

This invention relates to the edible seat and edible ink which can be used when packing food or coating the perimeter part of food.

**"PRIOR ART"**

The cellophane to which the film of a petroleum system is most and the seat which packs food covers a caramel etc. slightly is only used conventionally.

**"The technical problem which this invention tends to solve"**

The film of the conventional petroleum system had the defect that he could not eat.

Moreover, although cellophane could be eaten, there was a defect that it was high-cost and neither the taste nor a character nor a pattern could be formed in itself.

In view of the above conventional defects, this invention is inexpensive, he can eat it, and it aims at offering the manufacture approach, the edible seat, and edible ink of the edible seat which can form a character, a pattern, etc.

**"The means for solving a technical problem"**

In order to attain the above-mentioned object, after this invention prints the edible ink which was

*Steren Spar*

mixed uniformly and formed by the mixer etc. what made konnyaku powder and one pair of water the rate of 40-80 at least in the shape of a light-gage seat with screen printing, The activity to dry is done once [ at least ] or more, and the edible seat is formed.

Moreover, after this invention prints the edible ink which was mixed uniformly and formed by the mixer etc. what made konnyaku powder and one pair of water the rate of 40-80 at least in the shape of a light-gage seat with screen printing, The body of an edible seat which did the activity to dry once [ at least ] or more, and formed it, After paying the edible colorant of the specified quantity to this body of an edible seat what made konnyaku powder and one pair of water the rate of 40-80 at least and printing a character, a pattern, etc. with screen printing using the color edible ink which mixed uniformly and was formed by a mixer etc., The edible seat consists of printer graphics, patterns, etc. which were dried.

Furthermore, this invention constitutes edible ink from mixing uniformly and forming by a mixer etc., what made konnyaku powder and one pair of water the rate of 40-80 at least.

"work ---" for

The edible seat constituted as mentioned above can pack food, and can eat it as it is.

Moreover, since the character, the pattern, etc. are printed in edible ink, improvement in a fine sight can be aimed at.

"The work example of this invention"

The work example shown in Drawings explains this invention in detail hereafter.

1 is the mixing process which mixes uniformly what made the konnyaku powder 2 and one pair of water 3 the rate of 40-80 as the work example of Fig. 1 or Fig. 4 was shown in Fig. 2 in mixer 4 grade, and makes edible ink 5. This mixing process 1 is performed over sufficient time so that the konnyaku powder 2 and water 3 may be mixed uniformly.

6 is the edible ink 5 manufactured at said mixing process 1 the edible seat formation process formed in the edible seat 7 of thin meat, and [ this edible seat formation process 6 ] The thin film printing processes 10 which use the 500-micron stainless steel lithographic plate X, for example, and print the several microns thin film 9 with screen printing on the plates 8 which can be made to exfoliate, such as the flat poly KAPO plate, as shown in Fig. 3 are performed.

The drying stage 11 which dries the thin film 9 printed on the plate 8 using a fired dryer etc. is performed after an appropriate time.

Such thin film printing processes 10 and the drying stage 11 are performed two or more times if needed, and the edible seat 7 of thin meat is formed.

12 is the peeling process which makes the edible seat 7 of the thin meat formed on the plate 8 exfoliate from a plate 8 as shown in Fig. 4 , and this peeling process 12 is performed manually etc.

As for the edible seat 7 manufactured by such an approach, thickness is formed in tens of [ several to ] microns transparence thin meat.

"The work example from which this invention differs"

Next, it explains per [ from which this invention shown in Fig. 5 or Fig. 14 differs ] work example. In addition, the description which gives the same code to the same component part as the work example of said this invention, and overlaps is omitted in description of these work examples.

[ a mainly different point from the work example of said this invention ] in the work example of Fig. 5 and Fig. 6 At the mixing process 1A, as shown in Fig. 6 , this mixing process 1A the konnyaku powder 2 and water 3 to what was made into the rate of 40-80 one pair A vitamin tablet, It is what makes the edible ink 5A which carries out specified quantity blending, mixes the seasonings 13, such as sugar and fruit juice, uniformly in mixer 4 grade, and includes a vitamin tablet and a seasoning. Thus, by forming the edible ink 5A which performs the mixing process 1A and includes a vitamin tablet and a seasoning, the edible seat of the thin meat containing a vitamin tablet and a seasoning can be manufactured.

[ a mainly different point from the work example of said this invention ] in the work example of Fig. 7 and Fig. 8 It is what this mixing process 1B carries out specified quantity blending of the edible

colorants 14, such as red food coloring, what made the konnyaku powder 2 and one pair of water 3 the rate of 40-80 as shown in Fig. 8, mixes it uniformly in mixer 4 grade, and makes color edible ink 5B from the mixing process 1B. Thus, by performing the mixing process 1B and forming color edible ink 5B, the color edible seat of the thin meat with which each color was colored can be manufactured.

A mainly different point from the work example of said this invention in the work example of Fig. 9 or Fig. 12 is the edible seat formation process 6A. After this edible seat formation process 6A forms the edible seat 7 of thin meat using edible ink 5, At the point which used color ink 5B and formed the character and the encaustic 15 grade by the printing processes 10A by screen printing, such as a character and a pattern, on this edible seat 7, the edible seat 7A the character of thin meat and with a pattern can be manufactured by performing the edible seat formation process 6A by such an approach.

The edible seat 7A the character of this thin meat, and with a pattern In addition, color edible ink 5B, By performing two or more kinds of the thin film printing processes 10 and the drying stages 11 several times using the edible ink containing the edible ink 5A, the edible ink 5 or the vitamin tablet containing a vitamin tablet and a seasoning, a seasoning, and a colorant The edible seat 7A the character of various thin meat and with a pattern which a character and encaustic 15 grade are located in a core, or is located in the surface and a rear face can be manufactured.

[ a mainly different point from the work example of said this invention ] in the work example of Fig. 13 and Fig. 14 The film formation process 10B which uses the brush and blade 16 grade and forms a thin film on the plates 8 which can be made to exfoliate, such as the poly KAPO plate, using edible ink 5, In that the edible seat formation process 6B which does the activity which performs the drying stage 11 after this film formation process 10B once [ at least ] or more was performed, such an edible seat formation process 6B may be performed, and the edible seat 7 may be manufactured. "Effectiveness of this invention"

If it is in this invention so that clearly from the above description, the effectiveness of next enumerating is acquired.

- (1) After printing the edible ink which was mixed uniformly and formed by the mixer etc. what made konnyaku powder and one pair of water the rate of 40-80 at least in the shape of a light-gage seat with screen printing, Since the activity to dry is done once [ at least ] or more and formed, the base can manufacture the edible seat of the thin meat which is konnyaku powder.
- (2) With the above (1), the edible seat of equal thin meat can be formed easily.
- (3) With the above (1), since a special instrument or a special activity are not used, it can carry out comparatively easily.
- (4) Since an edible seat can be formed with the above (1) using the edible ink to which the edible colorant and the seasoning were paid, various edible seats can be manufactured and amplification of a field of the invention can be aimed at.
- (5) With the above (1), since a character and a pattern can be formed in edible color edible ink, improvement in the fine sight of food and differentiation with other goods can be attained.
- (6) It can also be made sheet food while being able to use it, when covering food with the above (1).
- (7) Claims 2, 3 and 4 can be used as edible ink in the case of covering food or ornamenting at a cake.

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[Translation done.]